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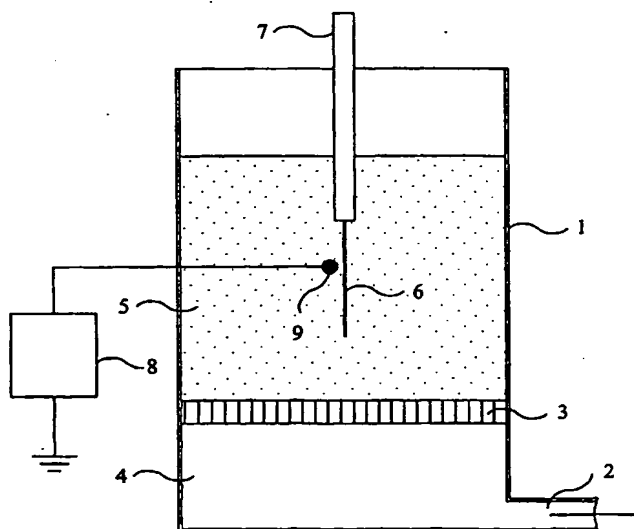
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(54) Title: POWDER COATING APPARATUS AND PROCESS



(57) **Abstract:** An apparatus for performing a process for forming a coating on a substrate (6), including a fluidising chamber (1) for establishing a fluidised-bed of a powder coating composition, means for immersing the substrate wholly or partly in the fluidised bed, the substrate (6) being either electrically isolated or earthed, an electrically conductive electrode (9), to which a voltage is applied, positioned to influence the extent to which charged particles adhere to a region of the substrate (6), means (8) for applying the voltage to the electrode (9), means for withdrawing the substrate from the fluidised-bed and means for forming the adherent particles into a continuous coating over at least part of the substrate, the apparatus being arranged to operate without ionisation or corona effects in the fluidised bed.